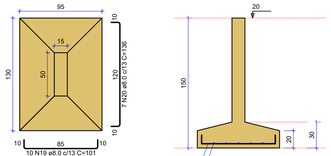
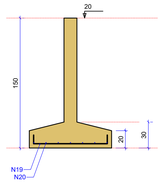
S65
PLANTA
ESC 1:25

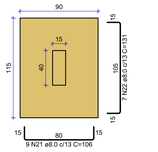


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

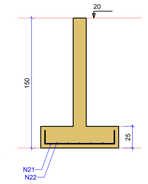


S66
PLANTA
ESC 1:25

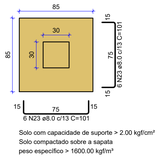


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

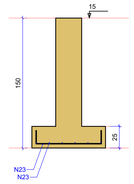


SE1=SE7=SE27
PLANTA
ESC 1:25

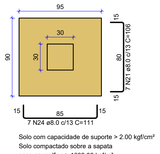


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

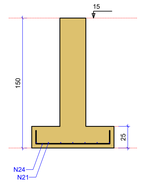


SE2=SE28
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

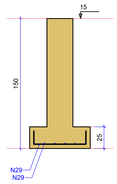
CORTE
ESC 1:25



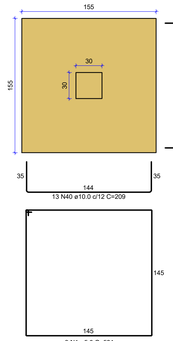
SE3=SE13=SE16=SE30=SE31=SE32=SE33=SE34 =SE38=SE39
PLANTA
ESC 1:25

Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

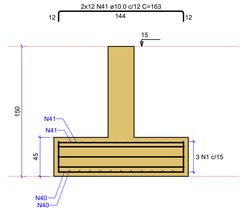


SE4
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



RELAÇÃO DO AÇO

S65	S66	3xSE1
2xSE2	SE4	2xSE5
SE8	2xSE11	SE12
10xSE13	7xSE17	2xSE18
SE19	SE20	SE21
SE24	SE26	SE29
SE35	SE37	

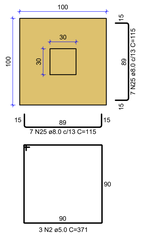
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	3	591	1773
	2	5.0	6	371	2226
	3	5.0	6	321	1926
	4	5.0	6	251	1506
	5	5.0	2	431	862
	6	5.0	3	421	1263
	7	5.0	3	281	843
	8	5.0	3	331	993
	9	5.0	3	291	873
	10	5.0	3	271	813
	11	5.0	3	351	1053
CA50	12	6.3	48	100	4800
	13	6.3	40	90	3600
	14	6.3	20	85	1700
	15	6.3	32	70	2240
	16	6.3	26	80	2080
	17	6.3	25	75	1875
	18	6.3	22	95	2090
	19	8.0	10	101	1010
	20	8.0	7	136	952
	21	8.0	23	106	2438
	22	8.0	7	131	917
	23	8.0	43	101	4343
	24	8.0	20	111	2220
	25	8.0	28	115	3220
	26	8.0	26	105	2730
	27	8.0	14	100	1400
	28	8.0	14	116	1624
	29	8.0	120	86	10320
	30	8.0	84	96	8064
	31	8.0	24	85	2040
	32	8.0	18	126	2268
	33	8.0	30	140	4200
	34	8.0	29	118	3422
	35	8.0	10	135	1350
	36	8.0	10	113	1130
	37	8.0	18	95	1710
	38	8.0	18	90	1620
	39	8.0	14	110	1540
	40	10.0	26	209	5434
	41	10.0	24	163	3912

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	183.8	49.5
	8.0	585.2	254
	10.0	93.5	63.4
CA60	5.0	137.1	23.2
PESO TOTAL (kg):			
CA50	366.9		
CA60	23.2		

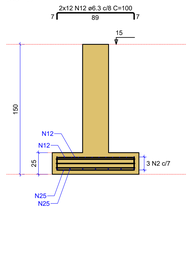
Volume de concreto (C-25) = 8.54 m³
Área de forma = 36.63 m²

SE5=SE6
PLANTA
ESC 1:25

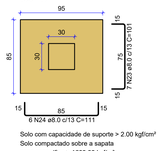


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

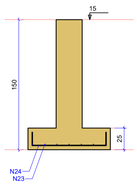


SE8
PLANTA
ESC 1:25

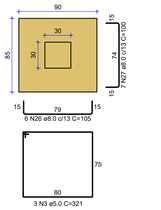


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

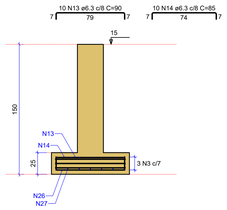


SE9=SE11
PLANTA
ESC 1:25

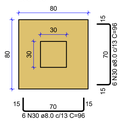


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

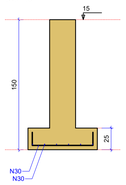


SE10=SE14=SE15=SE17=SE22=SE23=SE25
PLANTA
ESC 1:25

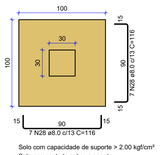


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

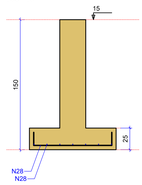


SE12
PLANTA
ESC 1:25

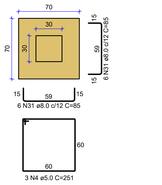


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

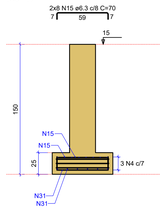


SE18=SE36
PLANTA
ESC 1:25

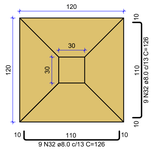


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

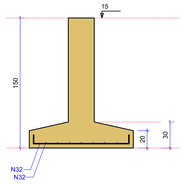


SE19
PLANTA
ESC 1:25

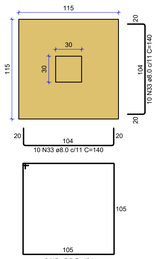


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

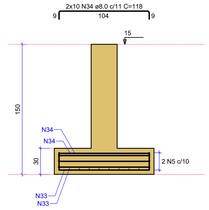


SE20
PLANTA
ESC 1:25

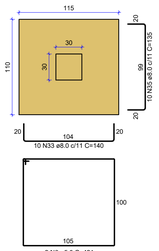


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

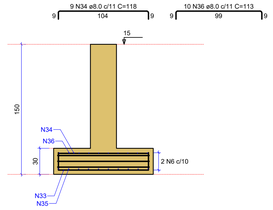


SE21
PLANTA
ESC 1:25

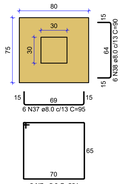


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

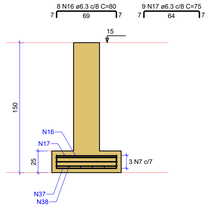


SE24
PLANTA
ESC 1:25

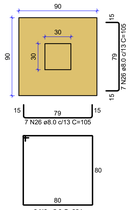


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

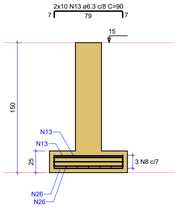


SE26
PLANTA
ESC 1:25

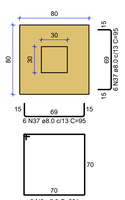


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

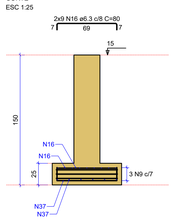


SE29
PLANTA
ESC 1:25

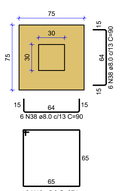


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

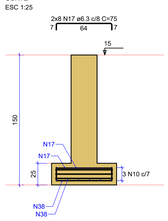


SE35
PLANTA
ESC 1:25

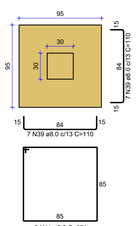


Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

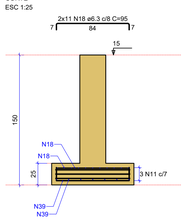


SE37
PLANTA
ESC 1:25



Solo com capacidade de suporte > 2.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



PROJETO DE ESTRUTURA
EXECUTIVO

CLIENTE:
PREFEITURA DE CONCEIÇÃO DO CASTELO - ES
CNPJ: 27.165.570/0001-98

CPF/CEI/TIN/NIS: 32162073700 / 27165570/0001-98

Assinado digitalmente por 32162073700 / 27165570/0001-98
Data: 2023.12.13 17:04:17 -03'00'

TÍTULO:
RECONSTRUÇÃO DA EMEF MATA FRIA E REFORMA DA QUADRA POLIESPORTIVA

CONCEIÇÃO DO CASTELO - ES, CEP: 29370-000

REFERÊNCIA:
COMUNIDADE RURAL DA MATA FRIA
COORDENADAS: 20°17'05.3"S 41°10'52.2"W

FOLHA 04/28

RESPONSÁVEL TÉCNICO:
Arquiteto e Urbanista Luiz Alberto Gonçalves Barbosa | CAU nº A74193-5

LUIZ ALBERTO GONCALVES BARBOSA:02965841180
Assinado de forma digital por LUIZ ALBERTO GONCALVES BARBOSA:02965841180
Dados: 2023.12.14 15:43:17 -03'00'

DESENHO:	DATA:	FORMATO:	ESCALA:	UNIDADE:	ARQUIVO:
FLÁVIO N. BORGES	DEZEMBRO/2023	A0	INDICADA	METRO	EMEF MATA FRIA - ESTRUTURAL - R02.dwg

Conteúdo:
Sapatas